

**United States Environmental Protection Agency  
Region 7  
901 N. 5th Street  
Kansas City, KS 66101**

**Date:** JAN 29 2008

**Subject:** Transmittal of Sample Analysis Results for ASR #: 3716

Project ID: MD07RZ02

Project Description: Newton County Mine Tailings site (OU #02)

**From:** Daksha Dalal, Acting Director  
Regional Laboratory, Environmental Services Division

*Daksha Dalal* 1/31/08

**To:** Mark Doolan  
SUPR/FFSE

Enclosed are the analytical data for the above-referenced Analytical Services Request (ASR) and Project. The Regional Laboratory has reviewed and verified the results in accordance with procedures described in our Quality Manual (QM). In addition to all of the analytical results, this transmittal contains pertinent information that may have influenced the reported results and documents any deviations from the established requirements of the QM.

Please contact us within 14 days of receipt of this package if you determine there is a need for any changes. Please complete the enclosed Customer Satisfaction Survey and Data Disposition/Sample Release memo for this ASR as soon as possible. The process of disposing of the samples for this ASR will be initiated 30 days from the date of this transmittal unless an alternate release date is specified on the Data Disposition/Sample Release memo.

If you have any questions or concerns relating to this data package, contact our customer service line at 913-551-5295.

Enclosures

cc: Analytical Data File.

40358574



Superfund

**Project Manager:** Mark Doolan**Org:** SUPR/FFSE**Phone:** 913-551-7169**Project ID:** MD07RZ02**Project Desc:** Newton County Mine Tailings site (OU #02)**Location:** Newton County**State:** Missouri**Program:** Superfund**Site Name:** NEWTON COUNTY MINE TAILINGS - REMAINDER OF  
NEWTON COUNTY**Site ID:** 07RZ **Site OU:** 02**GPRA PRC:** 302DC6C**Purpose:** Site Characterization**Explanation of Codes, Units and Qualifiers used on this report****Sample QC Codes:** QC Codes identify the type of sample for quality control purpose.**Units:** Specific units in which results are reported.

\_\_\_ = Field Sample

ug/L = Micrograms per Liter

**Data Qualifiers:** Specific codes used in conjunction with data values to provide additional information on the quality of reported results, or used to explain the absence of a specific value.

(Blank)= Values have been reviewed and found acceptable for use.

U = The analyte was not detected at or above the reporting limit.

ASR Number: 3716

## Sample Information Summary

01/30/2008

Project ID: MD07RZ02

Project Desc: Newton County Mine Tailings site (OU #02)

Sample No	QC Code	Matrix	Location Description	External Sample No	Start Date	Start Time	End Date	End Time	Receipt Date
1 -	---	Water	6565 Hereford Road (BVID #9702)		12/01/2007	13:30			12/03/2007
2 -	---	Water	6402 Gateway Drive (BVID #9703)		12/01/2007	15:00			12/03/2007
3 -	---	Water	6416 Gateway Drive (BVID #9704)		12/01/2007	15:45			12/03/2007
4 -	---	Water	6417 Gateway Drive (BVID #9705)		12/01/2007	16:30			12/03/2007
5 -	---	Water	9465 Goldfinch Road (BVID #9706)		12/01/2007	17:10			12/03/2007
6 -	---	Water	2864 Douglas Fir Road	BVID # 9707	12/19/2007	12:30			12/20/2007
7 -	---	Water	9874 Delmar	BVID # 9708	12/19/2007	14:30			12/20/2007
8 -	---	Water	6539 Gateway Drive	BVID # 9709	12/19/2007	15:15			12/20/2007
9 -	---	Water	6530 Gateway Drive	BVID # 9710	12/19/2007	16:15			12/20/2007
10 -	---	Water	6565 Gateway Drive	BVID # 9711	12/19/2007	17:00			12/20/2007
11 -	---	Water	9873 Delmar (BVID #9712)		01/08/2008	11:30			01/10/2008
12 -	---	Water	5200 Dolphin Drive (BVID #9713)		01/08/2008	12:40			01/10/2008
13 -	---	Water	7319 Spurgeon (BVID #9714)		01/08/2008	13:30			01/10/2008
14 -	---	Water	6225 Spurgeon Road (BVID #9715)		01/08/2008	13:45			01/10/2008
15 -	---	Water	9995 Foliage Road (BVID #9716)		01/08/2008	15:40			01/10/2008
16 -	---	Water	6140 Gateway Drive (BVID #9717)		01/08/2008	16:15			01/10/2008
17 -	---	Water	5845 Gateway (BVID #9718)		01/08/2008	17:00			01/10/2008
18 -	---	Water	5903 Gateway (BVID #9719)		01/09/2008	13:40			01/10/2008
19 -	---	Water	6041 Gateway (BVID #9720)		01/09/2008	14:45			01/10/2008
20 -	---	Water	5910 Gateway Drive (BVID #9721)		01/09/2008	15:20			01/10/2008
21 -	---	Water	6579 Gateway Drive (BVID #9722)		01/09/2008	15:50			01/10/2008
22 -	---	Water	6265 Gateway Drive (BVID #9723)		01/09/2008	16:45			01/10/2008
23 -	---	Water	6392 Gateway Drive (BVID #9724)		01/09/2008	17:20			01/10/2008
24 -	---	Water	6273 Gateway Drive (BVID #9725)		01/09/2008	17:50			01/10/2008

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**Analysis      Comments About Results For This Analysis**

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**1      Metals in Water by ICP/MS****Lab:** Region 7 EPA Laboratory - Kansas City, Ks.**Method:** EPA Region 7 RLAB Method 3123.1A

**Samples:** 1-\_\_      2-\_\_      3-\_\_      4-\_\_      5-\_\_      6-\_\_      7-\_\_  
8-\_\_      9-\_\_      10-\_\_      11-\_\_      12-\_\_      13-\_\_      14-\_\_  
15-\_\_      16-\_\_      17-\_\_      18-\_\_      19-\_\_      20-\_\_      21-\_\_  
22-\_\_      23-\_\_      24-\_\_

**Comments:**

(N/A)

**ASR Number:** 3716  
**Project ID:** MD07RZ02

**RLAB Approved Sample Analysis Results**  
**Project Desc:** Newton County Mine Tailings site (OU #02)

**01/30/2008**

Analysis/ Analyte	Units	1-__	2-__	3-__	4-__
1 Metals in Water by ICP/MS					
Cadmium	ug/L	████	██	██	██
Lead	ug/L	████	████	████	████

**ASR Number:** 3716

**RLAB Approved Sample Analysis Results**

**01/30/2008**

**Project ID:** MD07RZ02

**Project Desc:** Newton County Mine Tailings site (OU #02)

**Analysis/ Analyte**

**Units**

**5-\_\_**

**6-\_\_**

**7-\_\_**

**8-\_\_**

**1 Metals in Water by ICP/MS**

Cadmium

ug/L

████

██

████

██

Lead

ug/L

██

████

████

████

**ASR Number:** 3716  
**Project ID:** MD07RZ02

**RLAB Approved Sample Analysis Results**  
**Project Desc:** Newton County Mine Tailings site (OU #02)

**01/30/2008**

**Analysis/ Analyte**

**Units**

**9-\_\_**

**10-\_\_**

**11-\_\_**

**12-\_\_**

**1 Metals in Water by ICP/MS**

Cadmium

ug/L

█

1.0 U

█

█

Lead

ug/L

█

1.0 U

█

█

**ASR Number:** 3716

**RLAB Approved Sample Analysis Results**

**01/30/2008**

**Project ID:** MD07RZ02

**Project Desc:** Newton County Mine Tailings site (OU #02)

**Analysis/ Analyte**

**Units**

**13-\_\_**

**14-\_\_**

**15-\_\_**

**16-\_\_**

**1 Metals in Water by ICP/MS**

Cadmium

ug/L

█

█

█

█

Lead

ug/L

█

█

█

█

**ASR Number:** 3716

**RLAB Approved Sample Analysis Results**

**01/30/2008**

**Project ID:** MD07RZ02

**Project Desc:** Newton County Mine Tailings site (OU #02)

**Analysis/ Analyte**

**Units**

**17-\_\_**

**18-\_\_**

**19-\_\_**

**20-\_\_**

**1 Metals in Water by ICP/MS**

Cadmium

ug/L

■

■

■

■

Lead

ug/L

■

■

■

■

ASR Number: 3716

RLAB Approved Sample Analysis Results

01/30/2008

Project ID: MD07RZ02

Project Desc: Newton County Mine Tailings site (OU #02)

Analysis/ Analyte	Units	21-__	22-__	23-__	24-__
1 Metals in Water by ICP/MS					
Cadmium	ug/L				
Lead	ug/L				

**United States Environmental Protection Agency  
Region VII  
901 N. 5th Street  
Kansas City, KS 66101**

**Date:** \_\_/\_\_/\_\_

**Subject:** Data Disposition/Sample Release for ASR #: 3716

Project ID: MD07RZ02

Project Description: Newton County Mine Tailings site (OU #02)

**From:** Mark Doolan  
SUPR/FFSE

**To:** Kaye Dollmann  
ENSV/RLAB

I have received and reviewed the Transmittal of Sample Analysis Results for the above-referenced Analytical Services Request(ASR) and have indicated my findings below by checking one of the boxes for Data Disposition.

I understand all samples will be disposed upon receipt of this form, unless samples are requested to be held. If I do not return this form all samples will be disposed of on \_\_\_\_\_.

- ☐ "RELEASED" - Read-only to all Region 7 employees and contractors that have R7LIMS "Customer" account. All Samples may be disposed of upon receipt of this form if not requested to be held.
- ☐ "Project Manager Accessible" - Available on the LAN in R7LIMS for my use only. All Samples may be disposed of upon receipt of this form if not requested to be held.
- ☐ "Archived" - THIS DATA IS OF A SENSITIVE NATURE. Any future reports must be requested through the laboratory. All samples may be disposed of upon receipt of the form if not requested to be held.

- 
- ☐ Hold Samples - I have determined that the samples need to be held until \_\_\_\_\_, after which time they will be disposed of in accordance with applicable regulations.  
The reason for the hold is:

☐ Samples are associated with a legal proceeding.

☐ Question/Concern with data - possible reanalysis requested.

☐ Other: \_\_\_\_\_

ACTIVITY LEADER(Print) MARK DOOLAN		NAME OF SURVEY OR ACTIVITY NEWTON CO. MINE TAILINGS		DATE OF COLLECTION 1 DEC. 2007 DAY MONTH YEAR		SHEET 1 of 1			
CONTENTS OF SHIPMENT									
SAMPLE NUMBER	TYPE OF CONTAINERS				SAMPLED MEDIA				RECEIVING LABORATORY REMARKS/OTHER INFORMATION (condition of samples upon receipt, other sample numbers, etc.)
	CUBITAINER	BOTTLE	BOTTLE	BOTTLE	VOA SET (2 VIALS EA)	water	soil	sediment	
NUMBERS OF CONTAINERS PER SAMPLE NUMBER									
3716-1	1					X			BVID # 9702
3716-2	1					X			BVID # 9703
3716-3	1					X			BVID # 9704
3716-4	1					X			BVID # 9705
3716-5	1					X			BVID # 9706
<div>AS NOT COMPLETE</div> <div>Original field sheet not submitted w/ sample (is required). RSC will process with copies provided ~12/3/07</div> <div>Chr. Temp. Recd. by 0-1°C</div>									
DESCRIPTION OF SHIPMENT					MODE OF SHIPMENT				
5 PIECE(S) CONSISTING OF 5 CUBITAINERS					COMMERCIAL CARRIER: _____				
1 ICE CHEST(S): OTHER _____					COURIER _____				
					X SAMPLER CONVEYED (SHIPPING DOCUMENT NUMBER) _____				
PERSONNEL CUSTODY RECORD									
RELINQUISHED BY (SAMPLER)		DATE	TIME	RECEIVED BY		REASON FOR CHANGE OF CUSTODY			
Chary Walsh		12/3/07	11:00	RD Wyss		Rec'd at lab/Analyze			
SEALED UNSEALED X				SEALED UNSEALED X					
RELINQUISHED BY		DATE	TIME	RECEIVED BY		REASON FOR CHANGE OF CUSTODY			
SEALED UNSEALED				SEALED UNSEALED					
RELINQUISHED BY		DATE	TIME	RECEIVED BY		REASON FOR CHANGE OF CUSTODY			
SEALED UNSEALED				SEALED UNSEALED					

**CHAIN OF CUSTODY RECORD  
ENVIRONMENTAL PROTECTION AGENCY REGION VII**

ACTIVITY LEADER(Print) <b>MARK DOOLAN</b>	NAME OF SURVEY OR ACTIVITY <b>NEWTON CO. MINE TAILINGS</b>	DATE OF COLLECTION <b>19 DEC 2007</b> DAY MONTH YEAR	SHEET 1 of 1
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**CONTENTS OF SHIPMENT**

SAMPLE NUMBER	TYPE OF CONTAINERS					SAMPLED MEDIA					RECEIVING LABORATORY REMARKS/OTHER INFORMATION (condition of samples upon receipt, other sample numbers, etc.)
	<input checked="" type="checkbox"/> CUBITAINER	<input type="checkbox"/> BOTTLE	<input type="checkbox"/> BOTTLE	<input type="checkbox"/> BOTTLE	VOA SET (2 VIALS EA)	water	soil	sediment	dust	other	
	NUMBERS OF CONTAINERS PER SAMPLE NUMBER										
3716-6	1					X					BVID # 9707
3716-7	1					X					BVID # 9708
3716-8	1					X					BVID # 9709
3716-9	1					X					BVID # 9710
3716-10	1					X					BVID # 9711
<div style="position: relative; width: 100%; height: 100%;"> <div style="position: absolute; top: 0; left: 0; bottom: 0; right: 0; border: 2px solid black; border-radius: 50%; transform: rotate(45deg); transform-origin: center;"> <div style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); font-size: 4em; font-family: cursive;">           Not Complete         </div> </div> </div>											

Cooler Temp  
2.1°C

**DESCRIPTION OF SHIPMENT**

**MODE OF SHIPMENT**

☒ 5 PIECE(S) CONSISTING OF 5 CUBITAINERS BOX(ES)  
☐ ICE CHEST(S): OTHER \_\_\_\_\_

\_\_\_\_\_ COMMERCIAL CARRIER: \_\_\_\_\_  
☐ COURIER  
☒ SAMPLER CONVEYED (SHIPPING DOCUMENT NUMBER) \_\_\_\_\_

**PERSONNEL CUSTODY RECORD**

RELINQUISHED BY (SAMPLER) <b>Cheryl Walker</b>	DATE <b>12/20/07</b>	TIME	RECEIVED BY <b>Kay L Doolan</b>	REASON FOR CHANGE OF CUSTODY <b>Analysis</b>
<input type="checkbox"/> SEALED <input checked="" type="checkbox"/> UNSEALED			<input type="checkbox"/> SEALED <input checked="" type="checkbox"/> UNSEALED	
RELINQUISHED BY	DATE	TIME	RECEIVED BY	REASON FOR CHANGE OF CUSTODY
<input type="checkbox"/> SEALED <input type="checkbox"/> UNSEALED			<input type="checkbox"/> SEALED <input type="checkbox"/> UNSEALED	
RELINQUISHED BY	DATE	TIME	RECEIVED BY	REASON FOR CHANGE OF CUSTODY
<input type="checkbox"/> SEALED <input type="checkbox"/> UNSEALED			<input type="checkbox"/> SEALED <input type="checkbox"/> UNSEALED	

ACTIVITY LEADER(Print) <b>MARK DOOLAN</b>		NAME OF SURVEY OR ACTIVITY <b>NEWTON CO. MINE TAILINGS</b>		DATE OF COLLECTION <b>8.9 JAN 2008</b> DAY MONTH YEAR			SHEET <b>1 of 1</b>				
CONTENTS OF SHIPMENT											
SAMPLE NUMBER	TYPE OF CONTAINERS					SAMPLED MEDIA				RECEIVING LABORATORY REMARKS/OTHER INFORMATION (condition of samples upon receipt, other sample numbers, etc.)	
	CUBITAINER	BOTTLE	BOTTLE	BOTTLE	VOA SET (2 VIALS EA)	water	soil	sediment	dust		other
	NUMBERS OF CONTAINERS PER SAMPLE NUMBER										
3716-11	1					X					BVID # 9712
3716-12	1					X					9713
3716-13	1					X					9714
3716-14	1					X					9715
3716-15	1					X					9716
3716-16	1					X					9717
3716-17	1					X					9718
3716-18	1					X					9719
3716-19	1					X					9720
3716-20	1					X					9721
3716-21	1					X					9722
3716-22	1					X					9723
3716-23	1					X					BVID # 9724
3716-24	1					X					BVID # 9725
<div style="text-align: center; border: 1px solid black; border-radius: 50%; width: 100px; height: 100px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">Complete</div>											
DESCRIPTION OF SHIPMENT						MODE OF SHIPMENT					
13 PIECE(S) CONSISTING OF 13 CUBITAINERS BOX(ES)						COMMERCIAL CARRIER: _____					
1 ICE CHEST(S); OTHER _____						X COURIER					
						X SAMPLER CONVEYED (SHIPPING DOCUMENT NUMBER) _____					
PERSONNEL CUSTODY RECORD											
RELINQUISHED BY (SAMPLER)		DATE		TIME		RECEIVED BY		REASON FOR CHANGE OF CUSTODY			
Chay Wallon		1/10/08		1100		RD Wiggam		Rec'd at lab for Analysis			
SEALED UNSEALED X						SEALED UNSEALED					
RELINQUISHED BY		DATE		TIME		RECEIVED BY		REASON FOR CHANGE OF CUSTODY			
SEALED UNSEALED						SEALED UNSEALED					
RELINQUISHED BY		DATE		TIME		RECEIVED BY		REASON FOR CHANGE OF CUSTODY			
SEALED UNSEALED						SEALED UNSEALED					

# Sample Collection Field Sheet

US EPA Region 7

Kansas City, KS

ASR Number: 3716 Sample Number: 1 QC Code: \_\_\_ Matrix: Water Tag ID: 3716-1-\_\_\_

Project ID: MD07RZ02 Project Manager: Mark Doolan  
Project Desc: Newton County Mine Tailings site (OU #02)  
City: Newton County State: Missouri  
Program: Superfund  
Site Name: NEWTON COUNTY MINE TAILINGS - REMAINDER OF Site ID: 07RZ Site OU: 02  
NEWTON COUNTY

Location Desc: 6565 HEREFORD ROAD

External Sample Number: BVID # 9702

Expected Conc: (or Circle One: Low Medium High) Date Time(24 hr)  
Latitude: \_\_\_ Sample Collection: Start: 12/1/07 13:30  
Longitude: \_\_\_ End: \_\_\_/\_\_\_/\_\_\_ :\_\_

## Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
1 - 1 Liter Cubitainer	HNO3 to pH<2	180 Days	1 Metals in Water by ICP/MS

## Sample Comments:

(N/A)

Sample Collected By: \_\_\_\_\_

Chang Waller

# Sample Collection Field Sheet

US EPA Region 7

Kansas City, KS

ASR Number: 3716 Sample Number: 2 QC Code: \_\_\_ Matrix: Water Tag ID: 3716-2-\_\_\_

Project ID: MD07RZ02 Project Manager: Mark Doolan  
Project Desc: Newton County Mine Tailings site (OU #02)  
City: Newton County State: Missouri  
Program: Superfund  
Site Name: NEWTON COUNTY MINE TAILINGS - REMAINDER OF Site ID: 07RZ Site OU: 02  
NEWTON COUNTY

Location Desc: 6402 Gateway Dr.

External Sample Number: BYID # 9703

Expected Conc: (or Circle One: Low Medium High) Date Time(24 hr)

Latitude: \_\_\_

Sample Collection: Start: 12/1/07

15:00

Longitude: \_\_\_

End: \_\_\_/\_\_\_/\_\_\_

\_\_\_:\_\_\_

## Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
1 - 1 Liter Cubitainer	HNO3 to pH<2	180 Days	1 Metals in Water by ICP/MS

## Sample Comments:

(N/A)

Sample Collected By: Clay Walton

# Sample Collection Field Sheet

US EPA Region 7

Kansas City, KS

ASR Number: 3716 Sample Number: 3 QC Code: \_\_\_ Matrix: Water Tag ID: 3716-3-\_\_\_

Project ID: MD07RZ02 Project Manager: Mark Doolan  
Project Desc: Newton County Mine Tailings site (OU #02)  
City: Newton County State: Missouri  
Program: Superfund  
Site Name: NEWTON COUNTY MINE TAILINGS - REMAINDER OF Site ID: 07RZ Site OU: 02  
NEWTON COUNTY

Location Desc: 6416 GATEWAY DRIVE

External Sample Number: BVID # 9704

Expected Conc: (or Circle One: Low Medium High) Date Time(24 hr)

Latitude: \_\_\_ Sample Collection: Start: 12/1/07 15:45

Longitude: \_\_\_ End: \_\_\_/\_\_\_/\_\_\_ :\_\_

## Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
1 - 1 Liter Cubitainer	HNO3 to pH<2	180 Days	1 Metals in Water by ICP/MS

## Sample Comments:

(N/A)

Sample Collected By: Chang Walker

# Sample Collection Field Sheet

US EPA Region 7

Kansas City, KS

ASR Number: 3716 Sample Number: 4 QC Code: \_\_\_ Matrix: Water Tag ID: 3716-4-\_\_\_

Project ID: MD07RZ02 Project Manager: Mark Doolan  
Project Desc: Newton County Mine Tailings site (OU #02)  
City: Newton County State: Missouri  
Program: Superfund  
Site Name: NEWTON COUNTY MINE TAILINGS - REMAINDER OF Site ID: 07RZ Site OU: 02  
NEWTON COUNTY

Location Desc: 6417 GATEWAY DRIVE

External Sample Number: BVID # 9705

Expected Conc: (or Circle One: Low Medium High) Date Time(24 hr)

Latitude: \_\_\_

Sample Collection: Start: 12/1/07

16:30

Longitude: \_\_\_

End: \_\_\_/\_\_\_/\_\_\_

\_\_\_:\_\_\_

## Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
1 - 1 Liter Cubitainer	HNO3 to pH<2	180 Days	1 Metals In Water by ICP/MS

## Sample Comments:

(N/A)

Sample Collected By:

Clay Walker

# Sample Collection Field Sheet

US EPA Region 7

Kansas City, KS

ASR Number: 3716 Sample Number: 5 QC Code: \_\_\_ Matrix: Water Tag ID: 3716-5-\_\_\_

Project ID: MD07RZ02 Project Manager: Mark Doolan  
Project Desc: Newton County Mine Tailings site (OU #02)  
City: Newton County State: Missouri  
Program: Superfund  
Site Name: NEWTON COUNTY MINE TAILINGS - REMAINDER OF Site ID: 07RZ Site OU: 02  
NEWTON COUNTY

Location Desc: 9465 Goldfinch Rd  
External Sample Number: BVID<sup>±</sup> 9706  
Expected Conc: (or Circle One: Low Medium High) Date Time(24 hr)  
Latitude: \_\_\_ Sample Collection: Start: 12/1/07 17:10  
Longitude: \_\_\_ End: \_\_\_/\_\_\_/\_\_\_ :\_\_\_

## Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
1 - 1 Liter Cubitainer	HNO3 to pH<2	180 Days	1 Metals in Water by ICP/MS

## Sample Comments:

(N/A)

Sample Collected By: Clay W. [Signature]

# Sample Collection Field Sheet

US EPA Region 7

Kansas City, KS

ASR Number: 3716 Sample Number: 6 QC Code: \_\_ Matrix: Water Tag ID: 3716-6-\_\_

Project ID: MD07RZ02 Project Manager: Mark Doolan  
Project Desc: Newton County Mine Tailings site (OU #02)  
City: Newton County State: Missouri  
Program: Superfund  
Site Name: NEWTON COUNTY MINE TAILINGS - REMAINDER OF Site ID: 07RZ Site OU: 02  
NEWTON COUNTY

Location Desc: 2864 DOUGLAS FIR ROAD

External Sample Number: BVID# 9707

Expected Conc: (or Circle One: Low Medium High) Date Time(24 hr)

Latitude: \_\_ \_\_ \_\_

Sample Collection: Start: 12/19/07

12:30

Longitude: \_\_ \_\_ \_\_

End: \_\_/\_\_/\_\_

\_\_:\_\_

## Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
1 - 1 Liter Cubitainer	HNO3 to pH<2	180 Days	1 Metals in Water by ICP/MS

## Sample Comments:

(N/A)

Sample Collected By:

Clay Walker

# Sample Collection Field Sheet

US EPA Region 7  
Kansas City, KS

ASR Number: 3716 Sample Number: 7 QC Code: \_\_ Matrix: Water Tag ID: 3716-7-\_\_

Project ID: MD07RZ02 Project Manager: Mark Doolan  
Project Desc: Newton County Mine Tailings site (OU #02)  
City: Newton County State: Missouri  
Program: Superfund  
Site Name: NEWTON COUNTY MINE TAILINGS - REMAINDER OF NEWTON COUNTY Site ID: 07RZ Site OU: 02

Location Desc:

9874 DELMAR

External Sample Number:

BYID# 9708

Expected Conc: (or Circle One: Low Medium High) Date Time(24 hr)

Latitude: \_\_ \_\_ \_\_

Sample Collection: Start: 12/19/07

14:30

Longitude: \_\_ \_\_ \_\_

End: \_\_/\_\_/\_\_

\_\_:\_\_

## Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
1 - 1 Liter Cubitainer	HNO3 to pH<2	180 Days	1 Metals in Water by ICP/MS

## Sample Comments:

(N/A)

Sample Collected By:

Cheryl Walker

# Sample Collection Field Sheet

US EPA Region 7

Kansas City, KS

ASR Number: 3716 Sample Number: 8 QC Code: \_\_\_ Matrix: Water Tag ID: 3716-8-\_\_\_

Project ID: MD07RZ02 Project Manager: Mark Doolan  
Project Desc: Newton County Mine Tailings site (OU #02)  
City: Newton County State: Missouri  
Program: Superfund  
Site Name: NEWTON COUNTY MINE TAILINGS - REMAINDER OF Site ID: 07RZ Site OU: 02  
NEWTON COUNTY

Location Desc: 6539 Gateway Drive

External Sample Number: BVID# 9709

Expected Conc: (or Circle One: Low Medium High) Date Time(24 hr)

Latitude: \_\_\_

Sample Collection: Start: 12/19/07

15:15

Longitude: \_\_\_

End: \_\_\_/\_\_\_/\_\_\_

\_\_\_:\_\_\_

## Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
1 - 1 Liter Cubitalner	HNO3 to pH<2	180 Days	1 Metals in Water by ICP/MS

## Sample Comments:

(N/A)

Sample Collected By: Clay Waller

# Sample Collection Field Sheet

US EPA Region 7

Kansas City, KS

ASR Number: 3716 Sample Number: 9 QC Code: \_\_ Matrix: Water Tag ID: 3716-9-\_\_

Project ID: MD07RZ02 Project Manager: Mark Doolan  
Project Desc: Newton County Mine Tailings site (OU #02)  
City: Newton County State: Missouri  
Program: Superfund  
Site Name: NEWTON COUNTY MINE TAILINGS - REMAINDER OF NEWTON COUNTY Site ID: 07RZ Site OU: 02

Location Desc: 6530 Gateway Drive

External Sample Number: BVID<sup>II</sup> 9710

Expected Conc: (or Circle One: Low Medium High) Date Time(24 hr)

Latitude: \_\_ \_\_ \_\_ Sample Collection: Start: 12/19/07 16:13

Longitude: \_\_ \_\_ \_\_ End: \_\_/\_\_/\_\_ \_\_:\_\_

## Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
1 - 1 Liter Cubitainer	HNO3 to pH<2	180 Days	1 Metals in Water by ICP/MS

## Sample Comments:

(N/A)

Sample Collected By: Cheryl Walker

# Sample Collection Field Sheet

US EPA Region 7

Kansas City, KS

ASR Number: 3716 Sample Number: 10 QC Code: \_\_\_ Matrix: Water Tag ID: 3716-10-\_\_\_

Project ID: MD07RZ02 Project Manager: Mark Doolan  
Project Desc: Newton County Mine Tailings site (OU #02)  
City: Newton County State: Missouri  
Program: Superfund  
Site Name: NEWTON COUNTY MINE TAILINGS - REMAINDER OF Site ID: 07RZ Site OU: 02  
NEWTON COUNTY

Location Desc: 6565 GATEWAY DRIVE

External Sample Number: BVID # 9711

Expected Conc: (or Circle One: Low Medium High) Date Time(24 hr)

Latitude: \_\_\_

Sample Collection: Start: 12/19/07 17:00

Longitude: \_\_\_

End: 1/1/ :

## Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
1 - 1 Liter Cubitainer	HNO3 to pH<2	180 Days	1 Metals in Water by ICP/MS

## Sample Comments:

(N/A)

Sample Collected By: Clay Walker

# Sample Collection Field Sheet

US EPA Region 7

Kansas City, KS

ASR Number: 3716 Sample Number: 11 QC Code: \_\_\_ Matrix: Water Tag ID: 3716-11-\_\_\_

Project ID: MD07RZ02

Project Manager: Mark Doolan

Project Desc: Newton County Mine Tailings site (OU #02)

City: Newton County

State: Missouri

Program: Superfund

Site Name: NEWTON COUNTY MINE TAILINGS - REMAINDER OF  
NEWTON COUNTY

Site ID: 07RZ Site OU: 02

Location Desc: 9873 DELMAR

External Sample Number: BVID#9712

Expected Conc: (or Circle One: Low Medium High) Date Time(24 hr)

Latitude: \_\_\_

Sample Collection: Start: 1/8/08

11:30

Longitude: \_\_\_

End: \_\_\_/\_\_\_/\_\_\_

\_\_\_:\_\_\_

## Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
1 - 1 Liter Cubitainer	HNO3 to pH<2	180 Days	1 Metals In Water by ICP/MS

## Sample Comments:

(N/A)

Sample Collected By: C. Walker

# Sample Collection Field Sheet

US EPA Region 7

Kansas City, KS

ASR Number: 3716 Sample Number: 12 QC Code: \_\_ Matrix: Water Tag ID: 3716-12-\_\_

Project ID: MD07RZ02 Project Manager: Mark Doolan  
Project Desc: Newton County Mine Tailings site (OU #02)  
City: Newton County State: Missouri  
Program: Superfund  
Site Name: NEWTON COUNTY MINE TAILINGS - REMAINDER OF Site ID: 07RZ Site OU: 02  
NEWTON COUNTY

Location Desc: 5200 DOLPHIN DRIVE

External Sample Number: BVID #9713

Expected Conc: (or Circle One: Low Medium High) Date Time(24 hr)

Latitude: \_\_ \_\_ \_\_

Sample Collection: Start: 1/8/08

12:40

Longitude: \_\_ \_\_ \_\_

End: \_\_/\_\_/\_\_

\_\_:\_\_

## Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
1 - 1 Liter Cubitainer	HNO3 to pH<2	180 Days	1 Metals in Water by ICP/MS

## Sample Comments:

(N/A)

Sample Collected By: C. Walker

# Sample Collection Field Sheet

US EPA Region 7

Kansas City, KS

ASR Number: 3716 Sample Number: 13 QC Code: \_\_\_ Matrix: Water Tag ID: 3716-13-\_\_\_

Project ID: MD07RZ02 Project Manager: Mark Doolan  
Project Desc: Newton County Mine Tailings site (OU #02)  
City: Newton County State: Missouri  
Program: Superfund  
Site Name: NEWTON COUNTY MINE TAILINGS - REMAINDER OF Site ID: 07RZ Site OU: 02  
NEWTON COUNTY

Location Desc: 7319 SAVAGEON

External Sample Number: BVID # 0714

Expected Conc: (or Circle One: Low Medium High) Date Time(24 hr)

Latitude: \_\_\_ Sample Collection: Start: 1/8/02 13:30

Longitude: \_\_\_ End: \_\_\_/\_\_\_/\_\_\_

## Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
1 - 1 Liter Cubitainer	HNO3 to pH<2	180 Days	1 Metals in Water by ICP/MS

## Sample Comments:

(N/A)

Sample Collected By: C. Walker

# Sample Collection Field Sheet

US EPA Region 7

Kansas City, KS

ASR Number: 3716 Sample Number: 14 QC Code: \_\_ Matrix: Water Tag ID: 3716-14-\_\_

Project ID: MD07RZ02

Project Manager: Mark Doolan

Project Desc: Newton County Mine Tailings site (OU #02)

City: Newton County

State: Missouri

Program: Superfund

Site Name: NEWTON COUNTY MINE TAILINGS - REMAINDER OF  
NEWTON COUNTY

Site ID: 07RZ Site OU: 02

Location Desc:

6225 Spurgeon Road

External Sample Number:

BUID # 9715

Expected Conc:

(or Circle One: Low Medium High)

Date

Time(24 hr)

Latitude: \_\_ \_\_ \_\_

Sample Collection: Start:

1/8/08

13:45

Longitude: \_\_ \_\_ \_\_

End:

1/1/

\_\_:\_\_

## Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
1 - 1 Liter Cubitainer	HNO3 to pH<2	180 Days	1 Metals in Water by ICP/MS

## Sample Comments:

(N/A)

Sample Collected By:

C. W. Hesse

# Sample Collection Field Sheet

US EPA Region 7

Kansas City, KS

ASR Number: 3716 Sample Number: 15 QC Code: \_\_\_ Matrix: Water Tag ID: 3716-15-\_\_\_

Project ID: MD07RZ02

Project Manager: Mark Doolan

Project Desc: Newton County Mine Tailings site (OU #02)

City: Newton County

State: Missouri

Program: Superfund

Site Name: NEWTON COUNTY MINE TAILINGS - REMAINDER OF  
NEWTON COUNTY

Site ID: 07RZ Site OU: 02

Location Desc:

9995 Foliage Road

External Sample Number:

BY ID # 9716

Expected Conc:

(or Circle One: Low Medium High)

Date

Time(24 hr)

Latitude: \_\_\_

Sample Collection: Start: 1/8/08

15:40

Longitude: \_\_\_

End: \_\_\_/\_\_\_/\_\_\_

\_\_\_:\_\_\_

## Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
1 - 1 Liter Cubitainer	HNO3 to pH<2	180 Days	1 Metals in Water by ICP/MS

## Sample Comments:

(N/A)

Sample Collected By:

C. W. Allen

# Sample Collection Field Sheet

US EPA Region 7

Kansas City, KS

ASR Number: 3716 Sample Number: 16 QC Code: \_\_ Matrix: Water Tag ID: 3716-16-\_\_

Project ID: MD07RZ02

Project Manager: Mark Doolan

Project Desc: Newton County Mine Tailings site (OU #02)

City: Newton County

State: Missouri

Program: Superfund

Site Name: NEWTON COUNTY MINE TAILINGS - REMAINDER OF  
NEWTON COUNTY

Site ID: 07RZ Site OU: 02

Location Desc: 6140 Gateway Drive

External Sample Number: BVID # 9717

Expected Conc: (or Circle One: Low Medium High) Date Time(24 hr)

Latitude: \_\_ \_\_ \_\_

Sample Collection: Start: 1/8/03

16:15

Longitude: \_\_ \_\_ \_\_

End: \_\_/\_\_/\_\_

\_\_:\_\_

## Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
1 - 1 Liter Cubitainer	HNO3 to pH<2	180 Days	1 Metals in Water by ICP/MS

## Sample Comments:

(N/A)

Sample Collected By: C. Wallace

# Sample Collection Field Sheet

US EPA Region 7

Kansas City, KS

ASR Number: 3716 Sample Number: 17 QC Code: \_\_\_ Matrix: Water Tag ID: 3716-17-\_\_\_

Project ID: MD07RZ02

Project Manager: Mark Doolan

Project Desc: Newton County Mine Tailings site (OU #02)

City: Newton County

State: Missouri

Program: Superfund

Site Name: NEWTON COUNTY MINE TAILINGS - REMAINDER OF  
NEWTON COUNTY

Site ID: 07RZ Site OU: 02

Location Desc:

5945 Gateway

External Sample Number:

BVID # 9718

Expected Conc:

(or Circle One: Low Medium High)

Date

Time(24 hr)

Latitude: \_\_\_

Sample Collection: Start:

1/8/08

12:00

Longitude: \_\_\_

End:

\_\_\_/\_\_\_/\_\_\_

\_\_\_:\_\_\_

## Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
1 - 1 Liter Cubitainer	HNO3 to pH<2	180 Days	1 Metals in Water by ICP/MS

## Sample Comments:

(N/A)

Sample Collected By:

C. Williams

# Sample Collection Field Sheet

US EPA Region 7

Kansas City, KS

ASR Number: 3716 Sample Number: 18 QC Code: \_\_ Matrix: Water Tag ID: 3716-18-\_\_

Project ID: MD07RZ02 Project Manager: Mark Doolan  
Project Desc: Newton County Mine Tailings site (OU #02)  
City: Newton County State: Missouri  
Program: Superfund  
Site Name: NEWTON COUNTY MINE TAILINGS - REMAINDER OF NEWTON COUNTY Site ID: 07RZ Site OU: 02

Location Desc: 5903 GATEWAY

External Sample Number: BXID\* 9719

Expected Conc: (or Circle One: Low Medium High) Date Time(24 hr)

Latitude: \_\_ \_\_ \_\_ Sample Collection: Start: 1/9/08 13:40

Longitude: \_\_ \_\_ \_\_ End: \_\_/\_\_/\_\_ \_\_:\_\_

## Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
1 - 1 Liter Cubitainer	HNO3 to pH<2	180 Days	1 Metals in Water by ICP/MS

## Sample Comments:

(N/A)

Sample Collected By: C. Walker

# Sample Collection Field Sheet

US EPA Region 7

Kansas City, KS

ASR Number: 3716 Sample Number: 19 QC Code: \_\_\_ Matrix: Water Tag ID: 3716-19-\_\_\_

Project ID: MD07RZ02

Project Manager: Mark Doolan

Project Desc: Newton County Mine Tailings site (OU #02)

City: Newton County

State: Missouri

Program: Superfund

Site Name: NEWTON COUNTY MINE TAILINGS - REMAINDER OF  
NEWTON COUNTY

Site ID: 07RZ Site OU: 02

Location Desc:

6041 Gateway

External Sample Number:

BYID # 9720

Expected Conc:

(or Circle One: Low Medium High)

Date

Time(24 hr)

Latitude: \_\_\_

Sample Collection: Start:

1/9/08

14:45

Longitude: \_\_\_

End:

\_\_\_/\_\_\_/\_\_\_

\_\_\_:\_\_\_

## Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
1 - 1 Liter Cubitainer	HNO3 to pH<2	180 Days	1 Metals in Water by ICP/MS

## Sample Comments:

(N/A)

Sample Collected By:

C. Walker

# Sample Collection Field Sheet

US EPA Region 7

Kansas City, KS

ASR Number: 3716 Sample Number: 20 QC Code: \_\_ Matrix: Water Tag ID: 3716-20-\_\_

Project ID: MD07RZ02

Project Manager: Mark Doolan

Project Desc: Newton County Mine Tailings site (OU #02)

City: Newton County

State: Missouri

Program: Superfund

Site Name: NEWTON COUNTY MINE TAILINGS - REMAINDER OF  
NEWTON COUNTY

Site ID: 07RZ Site OU: 02

Location Desc: 5910 Gateway Drive

External Sample Number: BYID # 9721

Expected Conc: (or Circle One: Low Medium High) Date Time(24 hr)

Latitude: \_\_\_\_

Sample Collection: Start: 1/9/08 15:20

Longitude: \_\_\_\_

End: 1/1/ \_\_:

## Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
1 - 1 Liter Cubitainer	HNO3 to pH<2	180 Days	1 Metals in Water by ICP/MS

## Sample Comments:

(N/A)

Sample Collected By: C. Walker

# Sample Collection Field Sheet

US EPA Region 7

Kansas City, KS

ASR Number: 3716 Sample Number: 21 QC Code: \_\_\_ Matrix: Water Tag ID: 3716-21-\_\_\_

Project ID: MD07RZ02

Project Manager: Mark Doolan

Project Desc: Newton County Mine Tailings site (OU #02)

City: Newton County

State: Missouri

Program: Superfund

Site Name: NEWTON COUNTY MINE TAILINGS - REMAINDER OF  
NEWTON COUNTY

Site ID: 07RZ Site OU: 02

Location Desc: 6579 Gateway Drive

External Sample Number: BYID # 9722

Expected Conc: (or Circle One: Low Medium High) Date Time(24 hr)

Latitude: \_\_\_

Sample Collection: Start: 1/9/08 15:50

Longitude: \_\_\_

End: \_\_\_ \_\_\_

## Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
1 - 1 Liter Cubitainer	HNO3 to pH<2	180 Days	1 Metals in Water by ICP/MS

## Sample Comments:

(N/A)

Sample Collected By: C. Wilcox

# Sample Collection Field Sheet

US EPA Region 7

Kansas City, KS

ASR Number: 3716 Sample Number: 22 QC Code: \_\_ Matrix: Water Tag ID: 3716-22-\_\_

Project ID: MD07RZ02 Project Manager: Mark Doolan  
Project Desc: Newton County Mine Tailings site (OU #02)  
City: Newton County State: Missouri  
Program: Superfund  
Site Name: NEWTON COUNTY MINE TAILINGS - REMAINDER OF Site ID: 07RZ Site OU: 02  
NEWTON COUNTY

Location Desc: 6265 Gateway Drive

External Sample Number: BVID # 9723

Expected Conc: (or Circle One: Low Medium High) Date Time(24 hr)

Latitude: \_\_ \_\_ \_\_ Sample Collection: Start: 1/9/08 16:45

Longitude: \_\_ \_\_ \_\_ End: 1/1/ \_\_:\_\_

## Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
1 - 1 Liter Cubitainer	HNO3 to pH<2	180 Days	1 Metals in Water by ICP/MS

## Sample Comments:

(N/A)

Sample Collected By: C. Waller

# Sample Collection Field Sheet

US EPA Region 7

Kansas City, KS

ASR Number: 3716 Sample Number: 23 QC Code: \_\_\_ Matrix: Water Tag ID: 3716-23-\_\_\_

Project ID: MD07RZ02

Project Manager: Mark Doolan

Project Desc: Newton County Mine Tailings site (OU #02)

City: Newton County

State: Missouri

Program: Superfund

Site Name: NEWTON COUNTY MINE TAILINGS - REMAINDER OF  
NEWTON COUNTY

Site ID: 07RZ Site OU: 02

Location Desc:

6392 Gateway Drive

External Sample Number:

BVID # 9724

Expected Conc:

(or Circle One: Low Medium High)

Date

Time(24 hr)

Latitude: \_\_\_

Sample Collection: Start: 1/9/08

17:20

Longitude: \_\_\_

End: \_\_\_/\_\_\_/\_\_\_

\_\_\_:\_\_\_

## Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
1 - 1 Liter Cubitainer	HNO3 to pH<2	180 Days	1 Metals in Water by ICP/MS

## Sample Comments:

(N/A)

Sample Collected By:

C. Walker

# Sample Collection Field Sheet

US EPA Region 7

Kansas City, KS

ASR Number: 3716 Sample Number: 24 QC Code: \_\_\_ Matrix: Water Tag ID: 3716-24-\_\_\_

Project ID: MD07RZ02 Project Manager: Mark Doolan  
Project Desc: Newton County Mine Tailings site (OU #02)  
City: Newton County State: Missouri  
Program: Superfund  
Site Name: NEWTON COUNTY MINE TAILINGS - REMAINDER OF Site ID: 07RZ Site OU: 02  
NEWTON COUNTY

Location Desc: 6273 GATEWAY DRIVE

External Sample Number: \_\_\_\_\_

Expected Conc: (or Circle One: Low Medium High) Date Time(24 hr)

Latitude: \_\_\_\_\_

Sample Collection: Start: 1/9/08 17:50

Longitude: \_\_\_\_\_

End: 1/1/ :

## Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
1 - 1 Liter Cubitainer	HNO3 to pH<2	180 Days	1 Metals in Water by ICP/MS

## Sample Comments:

(N/A)

Sample Collected By: C. Walker